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Version 2.1.4

Start:		23/10/20
Released:		18/01/21
Last Revision Zenit Hub:	13,	12/09/22
Last Revision Zenit Hub IFA:	13,	08/09/22
Last Revision MeLinDA:	13,	13/09/22
Last Revision MeLinDA HL7:	13,	13/09/22

Hub-Spoke, Error handling improvements, Zenit PRO stabilization, Driver DotDiver2, Driver BlueDiverII

Important version information

-  First version ready to work with Hub-Spoke environments.
-  Ready to work with Zenit PRO v1.6.

Bug

- [\[ZH-2256\]](#) - Driver APEX: When receiving an ELISA session, an index error appears outside the limits of the matrix
- [\[ZH-1973\]](#) - Driver BlueDiver: Do not allow to receive sessions without sample ID
- [\[ZH-2238\]](#) - Driver HL7, HOST_IN: Create multiple requests in case of alphanumeric ID, does not detect that it already exists
- [\[ZH-1960\]](#) - Driver HL7, HOST_IN: It creates a new origin when the origin of the frame is empty
- [\[ZH-2036\]](#) - Driver HL7, HOST_IN: The origin of the samples in the last revision is not received
- [\[ZH-1976\]](#) - Driver HL7, Zenit PRO : Samples with incorrect Section / Service if they are registered directly in the analyzer
- [\[ZH-1915\]](#) - Driver HL7, Zenit PRO: Does not leave the samples that are not present in the session in "Received" status, it leaves them in "Analyzer sent"
- [\[ZH-1954\]](#) - Driver HL7, Zenit PRO: Error when associating some colors. When they re-enter they are still blank
- [\[ZH-1953\]](#) - Driver HL7, Zenit PRO: Error when importing tests from Zenit PRO in empty DB, selecting the color in the same action
- [\[ZH-2030\]](#) - Driver HL7, Zenit PRO_IN: Some samples do not return to the "received" state and remain in "Sent to analyzer"
- [\[ZH-1974\]](#) - Driver Zenit RA: If the decimal separation is a point and not a comma, System.IndexOutOfRangeException gives an error when receiving results from the RA
- [\[ZH-2122\]](#) - Driver Zenit UP: Does not save reagent and lot data in the results of calibrators and controls
- [\[ZH-2242\]](#) - Driver Zenit UP: Problems with IDs if we have activated "Delete control characters" in the barcode
- [\[ZH-1903\]](#) - ZH & Drivers: If we have an accessory reagent without "Equivalence", it does not record the QC of that related assay
- [\[ZH-1964\]](#) - ZH IFA, Camera: This version does not allow to enlarge images of the camera
- [\[ZH-2125\]](#) - ZH IFA, Ghosts : If the user registers a ghost in a dilution that already existed, an uncontrolled situation is created in which n registrations are allowed, but none can be deleted.
- [\[ZH-2005\]](#) - ZH IFA, Hub-Spoke: If we have source restriction activated, when session change the samples from the previous session are kept with the name of the current session
- [\[ZH-2226\]](#) - ZH IFA, Images: Error receiving mitosis images / thumbnails
- [\[ZH-1618\]](#) - ZH IFA, Negativize Slide: The negativization of a Slide does not work

- [\[ZH-2247\]](#) - ZH IFA, Portas Map: In a ZenitPRO session, the hand icon is not seen as it is enabled for manual session reporting
- [\[ZH-1963\]](#) - ZH IFA. Camera: When the camera saves more than one image associated with a well, none of them are seen
- [\[ZH-2190\]](#) - ZH IFA: Certain phantom dilutions are not sent to HOST when end the session
- [\[ZH-2068\]](#) - ZH IFA: Clicking on "View image" in a well without image an image of another sample appears.
- [\[ZH-2128\]](#) - ZH IFA: Don't empty the carrier's BC field when going from a carrier that has BC to one that doesn't.
- [\[ZH-2149\]](#) - ZH IFA: Error when deleting a ghost with multiple patterns
- [\[ZH-2085\]](#) - ZH IFA: Error when unmarking the PC to send to the LIS in a request with +1 pattern
- [\[ZH-2151\]](#) - ZH IFA: Failed to uncheck multiple patterns from a sample when recording a ghost
- [\[ZH-2016\]](#) - ZH IFA: If the well is reopened from a closed session, patterns are added and closed, only the original pattern appears to validate
- [\[ZH-1941\]](#) - ZH IFA: Profile type test extension error. It creates it in pending validate status
- [\[ZH-1962\]](#) - ZH IFA: The close well flag appears in fully open sessions, and the close session does not appear at the bottom right
- [\[ZH-2255\]](#) - ZH IFA: Trying to add a ghost shows an error
- [\[ZH-1961\]](#) - ZH IFA: Unable to unlock and report a well linked to slide reading without auxiliary analyzer
- [\[ZH-2141\]](#) - ZH IFA: When +1 pattern is reported, when closing the entire session with the flag, it is only possible to validate the original sample, not the DUPLICATE of added patterns
- [\[ZH-2205\]](#) - ZH IFA: When manual assays are added to the triple the image disappears
- [\[ZH-2107\]](#) - ZH IFA: You can validate and send Spokes results that you shouldn't see
- [\[ZH-1955\]](#) - ZH, Configuration, Assays, Patterns: The list of possible patterns does not match the LisIdentifier, so it may not match
- [\[ZH-2259\]](#) - ZH, Configuration, Patterns: In case of having a ZenitFAST, the patterns drop-down does not appear to make the link
- [\[ZH-1602\]](#) - ZH, Daily Work: Error marking as 'not applicable' a second dilution in the same screen
- [\[ZH-2029\]](#) - ZH, Daily Work: Patients without associated age should have the age field blank, instead of 121 years
- [\[ZH-2208\]](#) - ZH, Daily Work: Since there is an automatic refresh, if you are working on that PC on something else, you get the "Loading..." window every x time
- [\[ZH-2142\]](#) - ZH, Daily Work: The generate session button for the Dot Diver2 analyzer does not appear
- [\[ZH-2246\]](#) - ZH, Lab Status, Requests: Not seeing DotDiver2 results
- [\[ZH-2240\]](#) - ZH, Petitions: When trying to open a Zenit FAST image an error appears
- [\[ZH-2106\]](#) - ZH, Requests: Error adding essay

Improvement

- [\[ZH-2172\]](#) - Driver G-Sight: Receive JP2 images through the WS and not over the network
- [\[ZH-1984\]](#) - Driver HL7, HOST: Change the Multiple pattern sending structure
- [\[ZH-1994\]](#) - Driver HL7, HOST: Send the results grouped by PATIENT AND TEST, extra configurable option
- [\[ZH-2038\]](#) - Driver HL7, Zenit PRO / Fast: Add robustness to the ScanOnly-type session linking system
- [\[ZH-2056\]](#) - Driver HL7, Zenit PRO / Fast: Allow sending sessions to Zenit PRO / Fast processed by Zenit PRO
- [\[ZH-2171\]](#) - Driver HL7, Zenit PRO / Fast: Do not process mitosis images
- [\[ZH-2031\]](#) - Driver HL7, Zenit PRO : Allow selective linking of patterns with Zenit PRO
- [\[ZH-2168\]](#) - Driver HL7, Zenit PRO: Adaptations v1.6.8, change datetime format adding hour minute and second
- [\[ZH-2114\]](#) - Driver HL7, Zenit PRO: Add robustness in receiving ScanOnly results when working with controls on all slides
- [\[ZH-1914\]](#) - Driver HL7, Zenit PRO: Provide a checkbox with the warning "Unlinked patterns" of the type "Do not ask again"

- [\[ZH-2178\]](#) - Driver TCP Server channel: Limit accepted sockets/connections to 1
- [\[ZH-1913\]](#) - Drivers: In case of error receiving results, show the reason for the error in detail and not just the generic "error" code
- [\[ZH-2186\]](#) - ZH & ZH IFA & Driver Zenit PRO / Fast: Process and visualize mitosis images
- [\[ZH-1975\]](#) - ZH & ZH IFA, General: Create our own error control (Try / Catch) for each of the program threads
- [\[ZH-1965\]](#) - ZH & ZH IFA, Login: Present users in a drop-down combobox
- [\[ZH-1950\]](#) - ZH IFA, Historic Blot: Only profile type tests to be displayed
- [\[ZH-1970\]](#) - ZH IFA: Automatic results color code. Color consistency of all results
- [\[ZH-1703\]](#) - ZH IFA: Minimum adaptations for work in Hub & Spoke environments
- [\[ZH-1904\]](#) - ZH, Daily Work: Add the option to edit degrees that do not come from another session
- [\[ZH-1680\]](#) - ZH, Daily Work: Add the source / section / service columns to the end of the daily work screen / sample validation
- [\[ZH-1905\]](#) - ZH, Daily Work: Improve descriptive texts Validate & Send buttons depending on the configuration
- [\[ZH-2121\]](#) - ZH, Serum bank, Add tube: Search for the next free position starting from the position occupied by the last added sample

New feature




- [\[ZH-2170\]](#) - Driver BlueDiverII: Adaptations of the BlueDiver protocol to work with BlueDiverII
- [\[ZH-1944\]](#) - Driver DotDiver2 (GA): Development of a new Blot analyzer driver
- [\[ZH-1995\]](#) - Driver HL7, HOST: Change configuration option from checkbox to combo box with RESULT GROUPING OPTION
- [\[ZH-2025\]](#) - Driver HL7, HOST: Send image analyzer index to LIS
- [\[ZH-1945\]](#) - Driver HL7, Zenit PRO: Export the images in an external device (NAS)
- [\[ZH-1949\]](#) - Driver HL7, Zenit PRO: New function "End titer prediction"
- [\[ZH-1909\]](#) - Drivers: Auto update MeLinDA if server version is different from the local version
- [\[ZH-2012\]](#) - ZH IFA: Collect and reflect the Zenit PRO warnings regarding some samples
- [\[ZH-2231\]](#) - ZH IFA: Do not log out user after validating session, return to the analyzer + session selection screen (Configurable)
- [\[ZH-1922\]](#) - ZH, Daily Work, Validation: Add notice or auto-refresh of the Daily Work screen > Validation

Version 2.1.3

Start:		17/02/20
Released:		20/02/20
Last Revision Zenit Hub:	6,	10/11/20
Last Revision MeLinDA:	8,	10/11/20
Last Revision MeLinDA HL7:	7,	10/11/20

Show demographic info in Reports, Send demographic info to analyzers, New BlueDiver Driver, SetUps improvements, Bug fixing

Important version information

-  Compatible ONLY with Vimba v4.0 for Stingray AlliedVision camera. The Vimba update for older camera versions is secure according to the manufacturer.
-  Mandatory version to work with BLOT technique.
-  SetUPs have slightly changed. Please check the last SetUP guide.

Bug

- [\[ZH-1830\]](#) - Driver G-Sight: Problems when receiving controls in a session
- [\[ZH-1888\]](#) - Driver Zenit Fast: Cannot create assay relationships from MeLinDA
- [\[ZH-1866\]](#) - Driver Zenit PRO: Accents are not recognized in the session name
- [\[ZH-1835\]](#) - Driver Zenit PRO: When sending a session to Zenit PRO, when we send a sample with titers, a Screening titer is also sent
- [\[ZH-1870\]](#) - Driver Zenit UP: Error receiving controls from ANCACONVI slides
- [\[ZH-1831\]](#) - ZH & ZH IFA: Problem with automatic user lock
- [\[ZH-1868\]](#) - ZH IFA, ANCA Combi: The two wells Eth and For should be displayed as the titrations, all together one on top of the other
- [\[ZH-1911\]](#) - ZH IFA, Historical LIS: Not displayed, internet explorer error appears
- [\[ZH-1826\]](#) - ZH IFA: No information displayed in advanced view
- [\[ZH-1861\]](#) - ZH, Configuration, Users: An advanced immunologist user should not be able to assign administrator permissions to users
- [\[ZH-1895\]](#) - ZH, Login: Login error when we have the sw in French language
- [\[ZH-1901\]](#) - ZH, QC: Intensity column is not displayed if it is a ZenitPRO analyzer
- [\[ZH-1833\]](#) - ZH, Samples: Error adding assays

Improvement

- [\[ZH-1881\]](#) - Driver ImmunoCAP: Manage HostQuery frame of ALL samples
- [\[ZH-1893\]](#) - Driver Zenit Fast: Use of the barcode on the slide as a security element when sending / receiving ScanOnly sessions
- [\[ZH-1891\]](#) - Driver Zenit PRO: Detect Import of Assays with dilutions without 1 / X format
- [\[ZH-1898\]](#) - SetUp, Drivers: Adaptations to be able to install and update more than one MeLinDA on the same PC
- [\[ZH-1896\]](#) - SetUp: Simplify and make the installation of the Webservice more intuitive
- [\[ZH-1892\]](#) - ZH IFA, Zenit PRO Viewer: Adaptation to work with the new Zenit PRO image viewer
- [\[ZH-1902\]](#) - ZH IFA: Allow to reopen, modify and validate a single well in addition to the existing feature to reopen, modify and validate the whole session
- [\[ZH-1897\]](#) - ZH IFA: Vimba v4.0 for Stingray AlliedVision camera compatibility
- [\[ZH-1832\]](#) - ZH, General configuration, Zenit PRO slides Configuration: Simplify and make robust to the configuration process

New feature

- [\[ZH-1880\]](#) - Driver AP ELITE, WorkList: Send Demographic info to analyzer sw
- [\[ZH-1894\]](#) - Driver BlueDiver, WorkList: Send Demographic info to analyzer sw
- [\[ZH-1906\]](#) - Driver ImmunoCap, WorkList: Send Demographic info to analyzer sw
- [\[ZH-1769\]](#) - Driver Zenit PRO, WorkList: Send Demographic info to analyzer sw
- [\[ZH-1770\]](#) - Driver Zenit RA, WorkList: Send Demographic info to analyzer sw
- [\[ZH-1768\]](#) - Driver Zenit UP, WorkList: Send Demographic info to analyzer sw
- [\[ZH-1912\]](#) - Drivers (AP_BLOT, BlueDiver, HOST): Adaptations to receive and send BLOT results
- [\[ZH-1909\]](#) - Drivers: Auto update MeLinDA if server version is different from the local version
- [\[ZH-1814\]](#) - ZH & ZH IFA, Reports: Include in all the reports the information of User, Date and Time
- [\[ZH-1774\]](#) - ZH IFA, Report: Show name and surname on Zenit Hub IFA Session Report
- [\[ZH-1800\]](#) - ZH, Samples Report: Show petition number and history number

Version 2.1.2

Start:		10/12/19
Released:		02/01/20
Last Revision Zenit Hub:	3,	21/01/20
Last Revision MeLinDA:	3,	21/01/20
Last Revision MeLinDA HL7:	3,	21/01/20

Adaptations Zenit PRO / Fast (ScanOnly)

Bug

- [\[ZH-1813\]](#) - ZH IFA: The software not updates pictures/patterns/intensities at real time working with Zenit PRO / Zenit Fast

Improvement

- [\[ZH-1808\]](#) - G-Sight/G-Sight AmiDOT Driver: Adaptations to divide sessions between 2 G-Sights
- [\[ZH-1811\]](#) - HOST Driver HL7, OUT: Working with old or new version of protocol when sending results to LIS
- [\[ZH-1807\]](#) - Zenit Fast Driver: Slide mapping adaptations
- [\[ZH-1815\]](#) - Zenit PRO driver: Inform user about missing Zenit PRO pattern equivalences
- [\[ZH-1806\]](#) - ZH IFA: Slides selection by BC in manual analysis

New feature

- [\[ZH-1810\]](#) - APEX Driver: Manage ANCA combined slides (ANCA E, ANCA F)

Version 2.1.1

Start:		02/07/19
Released:		18/10/19
Last Revision Zenit Hub:	2,	11/11/19
Last Revision MeLinDA:	3,	03/12/19
Last Revision MeLinDA HL7:	3,	27/11/19

Performance improvements, Webservice (HTTP Port, Images), Remove IIS and network drives, Driver BlueDiver / Dr DOT, Manual maintenance tool for G-Sight images

Bug

- [\[ZH-1792\]](#) - Driver AP_IFI: Error importing assays, appears new field profile with a number
- [\[ZH-1796\]](#) - G-Sight/G-Sight AmiDOT Driver: Error exporting Settings with pattern names length higher than 50 characters
- [\[ZH-1797\]](#) - G-Sight/G-Sight AmiDOT Driver: Error exporting Settings with pattern relationships deleted previously
- [\[ZH-1640\]](#) - HOST Driver, HL7 IN: While it is waiting it consumes 50% of the CPU resources
- [\[ZH-1585\]](#) - ZH IFA: Problem with infinite scroll when we have a lot of titrations and sub-tests

Improvement

- [\[ZH-1798\]](#) - G-Sight/G-Sight AmiDOT Driver: Check same mapped patterns in different assays
- [\[ZH-1168\]](#) - General, Performance Improvement: Analyze all system components and optimize all database accesses
- [\[ZH-1698\]](#) - Webservice: Increase Command Timeout time for long queries
- [\[ZH-1780\]](#) - Zenit PRO Driver: Get slide rack when receiving results
- [\[ZH-1791\]](#) - Zenit PRO Driver: Marking QC samples on PID, PV1, ORC, OBR subframes when sending ScanOnly sessions to Zenit PRO
- [\[ZH-1790\]](#) - Zenit PRO Driver: Receiving original session name from Zenit PRO on ScanOnly mode
- [\[ZH-1781\]](#) - Zenit PRO Driver: Send/Get original session name when sending/receiving scan only results
- [\[ZH-1763\]](#) - Zenit RA Driver: Send Patient sex info to perform reflex tests

New Feature

- [\[ZH-1696\]](#) - BlueDiver/Dr DOT Driver: Analyser Driver development
- [\[ZH-1598\]](#) - General: Get images through Webservice, not through network path
- [\[ZH-1539\]](#) - General: Manual maintenance tool for G-Sight images (Changes / Migrations PCs)
- [\[ZH-1694\]](#) - Zenit Fast Driver: Zenit Fast Adaptations

Version 2.1.0

Start:		02/10/18
Released:		15/03/19
Last Revision Zenit Hub:	7,	24/05/19
Last Revision MeLinDA:	7,	24/05/19
Last Revision MeLinDA HL7:	11,	31/05/19

Zenit PRO & GDPR

Bug

- [\[ZH-1600\]](#) - HOST Driver, HL7, OUT: Error sending Amidot results to LIS
- [\[ZH-1625\]](#) - HOST Driver, HL7: Error "Application already running, exiting MeLinDA" when opening HOST_IN and HOST_OUT on the same PC
- [\[ZH-1782\]](#) - ZenitRA Driver: Error receiving assay CALPR
- [\[ZH-1646\]](#) - ZH, Daily Work: Error when starting the screen in an installation with more than one G-Sight
- [\[ZH-1691\]](#) - ZH, QC: Error printing report

Improvement

- [\[ZH-1736\]](#) - Configuration, General: Put mask colours of slides in variable
- [\[ZH-1628\]](#) - General, Traceability: Review all important User actions and make logs of Traceability
- [\[ZH-1717\]](#) - General: Adaptations to new Icons and Logos
- [\[ZH-1761\]](#) - HOST Driver, HL7, OUT: Send equivalence of Patterns / Positivities / Dilutions to LIS
- [\[ZH-1651\]](#) - HOST Driver, TCP Channel: Enable the variable 'disconnect for inactivity' of the TCP connection
- [\[ZH-1731\]](#) - Zenit G-Sight Driver: Increase the number of sessions of pending validation
- [\[ZH-1707\]](#) - Zenit PRO Driver: Adaptations multiple assays for compatibility with version 1.5.2
- [\[ZH-1715\]](#) - Zenit PRO Driver: Assign white colour to slides that are not in the list of slides predefined by Visia
- [\[ZH-1722\]](#) - Zenit PRO Driver: Automated request task of images not available to the REST Web service
- [\[ZH-1709\]](#) - Zenit PRO Driver: Be able to configure the path of the Zenit PRO images to make it more flexible (relocation)
- [\[ZH-1718\]](#) - Zenit PRO Driver: Show to the user the reason for the NAK / Errors that the Zenit PRO driver gives us
- [\[ZH-1681\]](#) - ZH, Configuration, Relationship Zenit Hub patterns vs Zenit PRO patterns: When a pattern has already been assigned, it should not appear in the assignable list
- [\[ZH-1714\]](#) - ZH, Configuration: Check if we can configure access to all software options
- [\[ZH-1663\]](#) - ZH, Configuration: Redesign Configuration tab

New Feature

- [\[ZH-1626\]](#) - General, Keep Samples: Delete Results, Requests and Patients Not Necessary (GDPR)
- [\[ZH-1595\]](#) - General, Users Management: Adaptations to security measures of new European data protection regulatory GDPR / RGD
- [\[ZH-1326\]](#) - HOST Driver, HL7, IN: Adaptations to receive demographics Name and Surname from LIS
- [\[ZH-1653\]](#) - HOST Driver, HL7, IN: Adaptations to receive Diagnostic information
- [\[ZH-1456\]](#) - Zenit PRO Driver: Development of analyzer Driver
- [\[ZH-1333\]](#) - ZH IFA: Adaptations to work with demographics Name and Surname
- [\[ZH-1455\]](#) - ZH IFA: Adaptations to work with Zenit PRO Viewer of Visia
- [\[ZH-1224\]](#) - ZH IFA: Show Patient Diagnostic information
- [\[ZH-1328\]](#) - ZH: Adaptations to work with demographics Name and Surname

Task

- [\[ZH-1644\]](#) - Documentation: System documentation review and update
- [\[ZH-1645\]](#) - Documentation: Update documentation with information Policy Security GDPR
- [\[ZH-1668\]](#) - General: Establish a process for securing the copies of the customers Database (GDPR)
- [\[ZH-1627\]](#) - Preventive, Checklist installation: Adaptations for GDPR Logs Audit and Intrusion Test
- [\[ZH-1727\]](#) - Zenit PRO Driver: Not to incorporate the UNCERTAIN comment for any assay except the HEp-2
- [\[ZH-1728\]](#) - ZH IFA: Hide mitosis because the image captured by Zenit PRO is not correct

Sub-task

- [\[ZH-1655\]](#) - Drivers, Users Management: Add user and password for changes in Communications / Import assays
- [\[ZH-1632\]](#) - ZH & ZH IFA, Users Management: Automatic Logout forced every X time
- [\[ZH-1636\]](#) - ZH & ZH IFA, Users Management: Disable / Block user if not logged in X time
- [\[ZH-1631\]](#) - ZH & ZH IFA, Users Management: Disable / Block user if you make 3 wrong login attempts
- [\[ZH-1629\]](#) - ZH & ZH IFA, Users Management: Establish an autonomous password recovery system (Security question)
- [\[ZH-1634\]](#) - ZH & ZH IFA, Users Management: Force high/strong security password
- [\[ZH-1635\]](#) - ZH & ZH IFA, Users Management: Force password change of users in the first Login
- [\[ZH-1630\]](#) - ZH & ZH IFA, Users Management: Save Password Encrypted in BD (MD5)
- [\[ZH-1633\]](#) - ZH & ZH IFA, Users Management: The user Menarini, will not be able to view personal data in demographic information

Version 2.0.0

Start:		02/10/17
Released:		02/01/18
Last Revision Zenit Hub:	10,	06/09/18
Last Revision MeLinDA:	10,	06/09/18
Last Revision MeLinDA HL7:	10,	06/09/18

Zenit Hub adaptations

Bug

- [\[ZH-1394\]](#) - Analyzer Drivers: The reception of an analyzer session for the second time is not enough restricted
- [\[ZH-1469\]](#) - Analyzer Drivers: The session message of successfully imported should consider if there are empty wells
- [\[ZH-1468\]](#) - AP22 Driver: Is possible to import again a session that already had results from G-Sight without any warning
- [\[ZH-1503\]](#) - Drivers, ZH IFA: There are some missing slides masks (Innova, ImmunoConcepts, IMCO), and are shown in blue
- [\[ZH-1515\]](#) - General, Translations: Fix translations errors
- [\[ZH-1600\]](#) - HOST Driver, HL7, OUT: Error sending Amidot results to LIS
- [\[ZH-1548\]](#) - HOST Driver, HL7, OUT: Protocol error when we send Results with more than one Patterns
- [\[ZH-1534\]](#) - HOST Driver, HL7, OUT: The results of Zenit Lite arrive empty to the LIS
- [\[ZH-1555\]](#) - Zenit RA Driver: Error of out of index array, when a CLIA result is not numeric (for example *****)
- [\[ZH-1542\]](#) - Zenit SP+ Driver, Zenit Lite, Receive session: Error when converting "IFA" to integer
- [\[ZH-1505\]](#) - ZH IFA, Multiple assays: In French language, some buttons are hidden by others
- [\[ZH-1500\]](#) - ZH IFA: Error of empty wells if we have controls in all the slides, not only in the first one
- [\[ZH-1393\]](#) - ZH IFA: Error when discarding a complete tray in Zenit SP
- [\[ZH-1540\]](#) - ZH IFA: The button "Do not inform to LIS" seems to have 3 states, when in fact it has 2
- [\[ZH-1421\]](#) - ZH, Configuration: We can delete patterns with existing assay-pattern relationships. Then when trying to erase the relationship an uncontrolled error occurred
- [\[ZH-1474\]](#) - ZH, Daily Work: In Portuguese, remove the word "somete" (only) in "Show only pending" and "Show only Sent"
- [\[ZH-1520\]](#) - ZH, QC, Internal Control, G-Sight Intensity: Error in decimal separator (regional configuration)
- [\[ZH-1417\]](#) - ZH, Samples: Error filtering by retained samples

New Feature

- [\[ZH-1457\]](#) - Amidot Driver : Driver development to connect analyzer Zenit G-Sight for Zenit Amidot
- [\[ZH-666\]](#) - Amidot Driver: Driver development to connect analyzer Aurora Reader (Zenit AmiDot Reader)
- [\[ZH-1502\]](#) - APEX Driver: Save Bar Code information of slides
- [\[ZH-1445\]](#) - General, Adaptations multiple essays BD: Blot, Amidot, ENA Profile
- [\[ZH-1280\]](#) - General, Adaptations of User Interface to multiple assays: Blot, Amidot, ENA Profile
- [\[ZH-1419\]](#) - PREVENTIVE. ZH, Configuration: If by mistake we cancel a pattern then we cannot undo its links or register it again without entering the Data Base
- [\[ZH-1340\]](#) - Zenit Lite Driver: Adaptations to new analyzer Zenit Lite
- [\[ZH-1530\]](#) - Zenit RA Driver: Increase the number of decimals of the results (1->2)
- [\[ZH-1341\]](#) - ZH IFA: Adaptations for new analyzer Zenit Lite
- [\[ZH-1420\]](#) - ZH, Samples: Avoid unwanted filters on checks of Seroteca and Samples retained

Improvement

- [\[ZH-1475\]](#) - General: Adaptations to change product Name, Images and Logos -> Zenit Hub
- [\[ZH-1596\]](#) - General: Change translations 'Request Identifier' -> 'Sample ID', 'Patient' -> 'Patient ID'
- [\[ZH-1433\]](#) - ZH IFA, Configuration: Add textual information when calibrating the brightness of the images
- [\[ZH-1526\]](#) - ZH IFA, History: Define a filter of Samples to show (Dates interval)
- [\[ZH-1545\]](#) - ZH, Daily work: Do not allow to send sessions with IFA and Amidot assays mixed to the analyzer
- [\[ZH-1416\]](#) - ZH, Samples: Exit with ESC key if we have an image open